

United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/020,140	12/14/2001	Jorma Virtanen	111465.130 (PROV-114)	6632
20995 75	01/26/2005		EXAM	INER
	ARTENS OLSON &	REDDING, DAVID A		
2040 MAIN STREET FOURTEENTH FLOOR			ART UNIT	PAPER NUMBER
IRVINE, CA			1744	

DATE MAILED: 01/26/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

		th/				
	Application No.	Applicant(s)				
	10/020,140	VIRTANEN, JORMA				
Office Action Summary	Examiner	Art Unit				
	David A Redding	1744				
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet wit	h the correspondence address				
A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a repl - If NO period for reply is specified above, the maximum statutory period of Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a re y within the statutory minimum of thirty will apply and will expire SIX (6) MONT e, cause the application to become ABA	ply be timely filed (30) days will be considered timely. HS from the mailing date of this communication. ANDONED (35 U.S.C. § 133).				
Status	•					
1) Responsive to communication(s) filed on 26 C	October 2004.					
2a) This action is FINAL . 2b) ☐ This	s action is non-final.					
,— , ,	, · · · · · · · · · · · · · · · · · · ·					
closed in accordance with the practice under E	Ex parte Quayle, 1935 C.D.	11, 453 O.G. 213.				
Disposition of Claims						
4) Claim(s) 1-20 is/are pending in the application		•				
4a) Of the above claim(s) 6-12 is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6) Claim(s) <u>1-5 and 13-20</u> is/are rejected.	6)⊠ Claim(s) <u>1-5 and 13-20</u> is/are rejected.					
8) Claim(s) are subject to restriction and/o	r election requirement.					
Application Papers						
9) The specification is objected to by the Examiner.						
10)☐ The drawing(s) filed on is/are: a)☐ acc						
Applicant may not request that any objection to the						
Replacement drawing sheet(s) including the correct						
11) The oath or declaration is objected to by the Ex	kaminer. Note the attached	Office Action or form PTO-152.				
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 		119(a)-(d) or (f).				
2. Certified copies of the priority documents have been received in Application No						
 Copies of the certified copies of the prio application from the International Bureau 	•	received in this National Stage				
* See the attached detailed Office action for a list	, , , , , , , , , , , , , , , , , , , ,	eceived.				
	•					
Attachment(s)						
Notice of References Cited (PTO-892)	4) Interview Se	ummary (PTO-413)				
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s	/Mail Date formal Patent Application (PTO-152)				
 Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 	6) Other:					

Application/Control Number: 10/020,140

Art Unit: 1744

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-5,13-20, are rejected under 35 U.S.C. 102(e) as being anticipated by USP 6,342,349 (Virtanen).

The Virtanen patent discloses an optical disk-based assay device which is used to perform nucleic acid hybridization and immunoassays. Described are cleavable signal elements particularly suitable for use in hybridization reactions. Binding of the chosen analyte simultaneously to a first and a second analyte specific side member of the cleavable signal element tethers the signal response moiety to the signal elements substrate attaching end, despite subsequent cleavage at the cleavage site. The signal responsive moiety reflects, absorbs, or refracts incident laser light. Figures 2a-2f and figure 12 illustrate the embodiment which reads on the claimed invention.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to David A Redding whose telephone number is 571-272-1276. The examiner can normally be reached on Mon.-Fri. 6:00 - 3:00.

Application/Control Number: 10/020,140 Page 3

Art Unit: 1744

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Warden can be reached on 571-272-1281. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Daul Rediz

DAR